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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/014,992	12/11/2001	Takeaki Shimanouchi	2500.66054	3379	
75	7590 11/26/2003		EXAMINER		
Patrick G. Burns, Esq.			TAMAI, KARL I		
GREER, BURNS, CRAIN, LTD. Suite 2500			ART UNIT	PAPER NUMBER	
300 South Wacker Dr.			2834		
Chicago, IL 60	0606		DATE MAILED: 11/26/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

. ` 1						
	Application	n No.	Applicant(s)			
	10/014,992	2	SHIMANOUCHI, TAKEAKI			
Office Action Summary	Examiner		Art Unit			
	Tamai IE K		2834			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply lf NO period for reply is specified above, the maximum statutory period varieties to reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no ever y within the statut will apply and will e, cause the applic	nt, however, may a reply be time fory minimum of thirty (30) days expire SIX (6) MONTHS from cation to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on 26 S	eptember 20	<u>003</u> .				
2a) This action is FINAL . 2b) ⊠ This	action is no	n-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disp sition of Claims						
 4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 is/are rejected. 7) Claim(s) is/are objected to. 						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120 12)						
a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domest since a specific reference was included in the firm 37 CFR 1.78. a) The translation of the foreign language profits a claim for domest reference was included in the firm and the firm of the foreign language profits a claim for domest reference was included in the first sentence of the company of the first sentence of the company of the first sentence of the certified copies of the priority document and the copies of the priority document and the priority document and the copies of the copies of the copies of the priority document and the copies of the copie	ts have been ts have been ority docume u (PCT Rule of the certific ic priority un est sentence ovisional app ic priority un	n received. In received in Application received in Application to the specification of the Sp	on No ed in this National Stage ed. e) (to a provisional application) in an Application Data Sheet. eived. and/or 121 since a specific			
Attachment(s)		. □	(DTO 440) D			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _ 	·	· =	(PTO-413) Paper No(s) Patent Application (PTO-152)			

Art Unit: 2834

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group I (Claims 1-6) in paper dated 9/26/2003 is acknowledged.

Specification

- 2. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.
- 3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

4. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dyck et al.(Dyck)(6393913) and Werner (US 6133059). Dyck shows and actuator having opposing 26 within a framed moving electrodes 28. Dyck shows the stationary and electrodes are parallel and fixedly mounted on a silicon nitride base plane. Dyck teaches every aspect of the invention except the solid insulating piece between the electrodes and the material of the insulating piece is silicon nitride. Werner teaches an insulating member ZR between the adjacent capacitance electrodes being the same as the insulating base. It would have been obvious to a person of ordinary skill in the art at

Application/Control Number: 10/014,992

Art Unit: 2834

the time of the invention to construct the actuator of Dyck with the insulation between the stationary electrodes to position and provide stability to the electrodes as shown by Werner, and with the insulating material being silicon nitride because Dyck teaches it is the preferred material for the base.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl I.E. Tamai whose telephone number is (703) 305-7066.

The examiner can be normally contacted on Monday through Friday from 8:00 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Nestor Ramirez, can be reached at (703) 308-1371. The facsimile number for the Group is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Karl I Tamai PRIMARY PATENT EXAMINER November 14, 2003

> KARL TAMAI PRIMARY EXAMINER

Page 3